Name _____ Date _____ Class _____

Ocean Zones ▪ *Guided Reading and Study*

Intertidal Zone

This section describes living conditions and types of organisms found at the ocean's edge, including along rocky shores and in inlets and bays.

Use Target Reading Skills

As you read, make an outline about the intertidal zone. Use the red headings for the main topics and the blue headings for the subtopics.

Intertidal Zone

I.   Rocky shores
     A. Along the rocks
     B.
 	
II.   Where river meets ocean
     A.
     B.
     C.

Rocky Shores

1. List the conditions that organisms living in rocky intertidal zones must be able to tolerate.

a. _____ b. _____

c. _____ d. _____

2. Circle the letter of the sentence that is true about water in tide pools.
   a. The salinity of the water in a tide pool decreases if it rains.
   b. The water in a tide pool is always saltier than ocean water.
   c. Water in a tide pool cools because it is evaporating.
   d. When the water in a tide pool evaporates, all the animals trapped in it dry up and die.

3. What is the spray zone?

_____

_____

_____

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4. Complete the table.

Adaptations for Life in a Tide Pool	
Organism	**How it is adapted to live in a tide pool**
Barnacle	**a.**
Sea star	**b.**
Limpet	**c.**
Sea urchin	**d.**

5. Is the following sentence true or false? A stripe of black algae indicates the high-tide line in a tide pool. _____

6. The zone between the highest high-tide line and lowest low-tide line is called the _____.

7. What special conditions must organisms tolerate in the rocky intertidal zone?

_____

_____

_____

8. Depressions among the rocks that remain filled with water after the tide goes out are called _____.

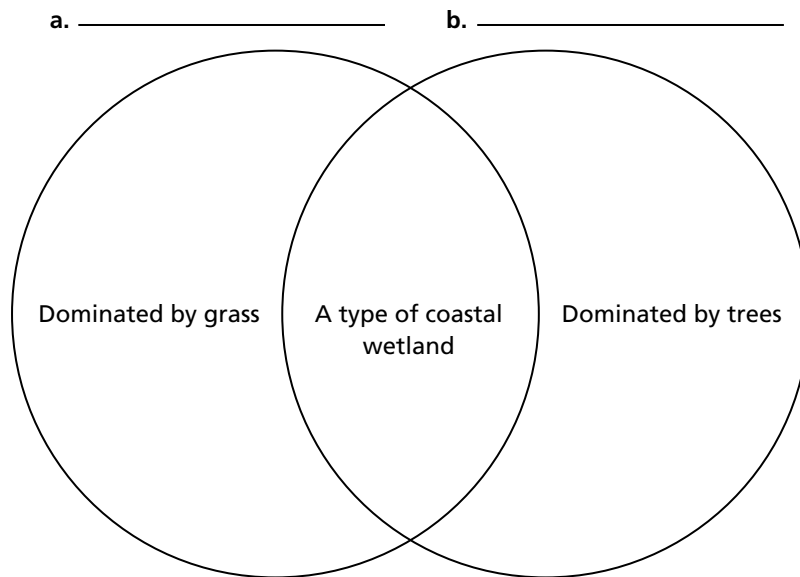**9.** Circle the letter of each type of organism you might see in a tide pool.

   a. sea stars
   b. sea urchins
   c. sponges
   d. blackline algae

Ocean Zones ▪ *Guided Reading and Study*

Intertidal Zone (continued)

Where River Meets Ocean

10. Coastal inlets or bays where fresh water from rivers mixes with the salty ocean water are called _____.

11. Water that is partly salty and partly fresh is referred to as

_____.

12. Complete the Venn diagram.

a. _____   b. _____

Dominated by grass   A type of coastal wetland   Dominated by trees

13. How do pollutants enter estuaries?

_____

_____

14. Describe two ways in which mangrove forests are important to the environment.

a. _____

_____

_____

_____

_____

b. _____

_____

_____

_____

_____